

Fig. 1

2/9

Fig. 2A

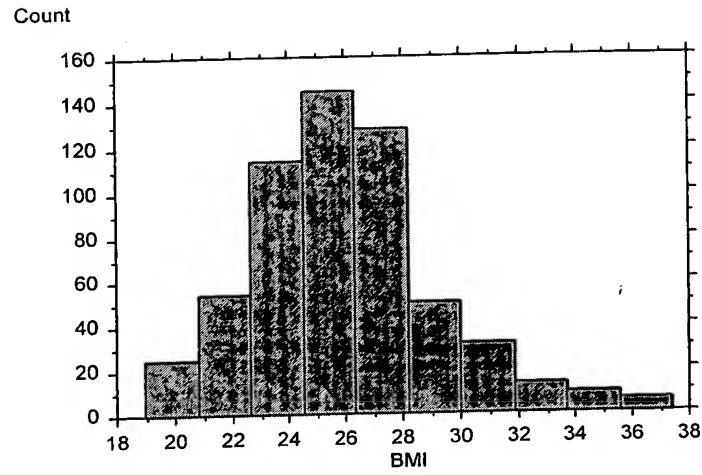
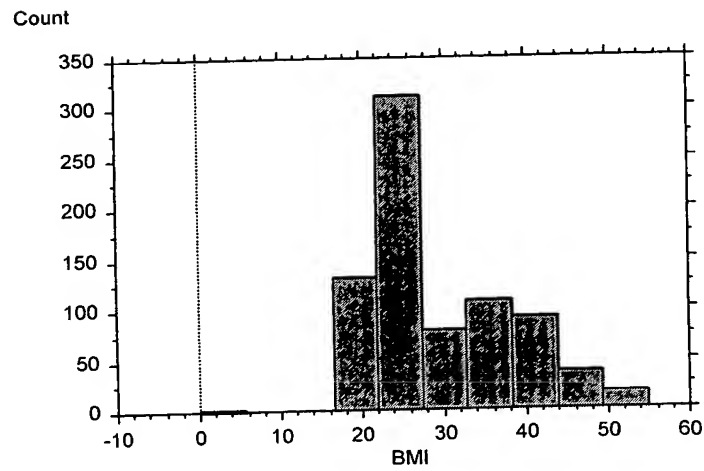


Fig. 2B



3/9

Fig. 3A

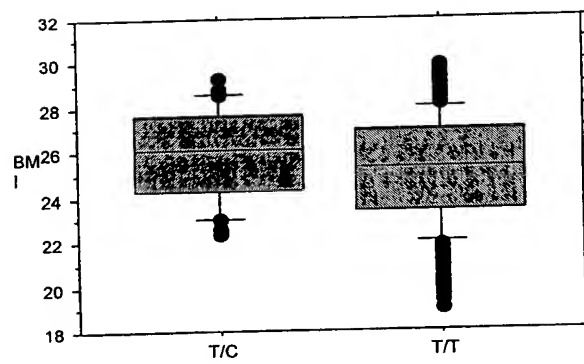
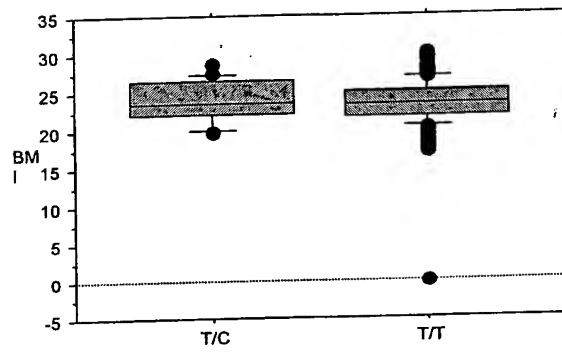


Fig. 3B

4/9

Fig. 4A

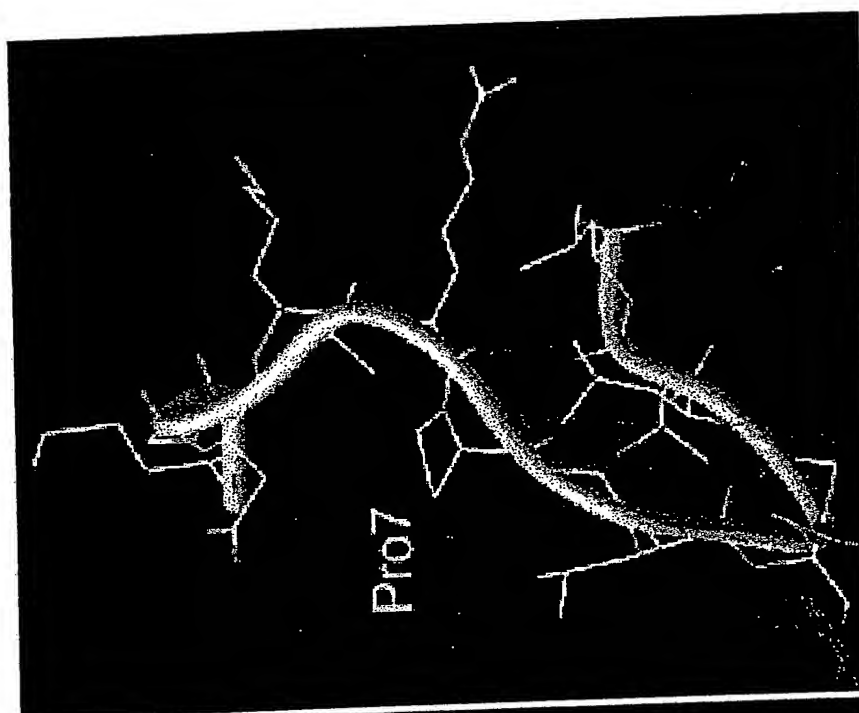
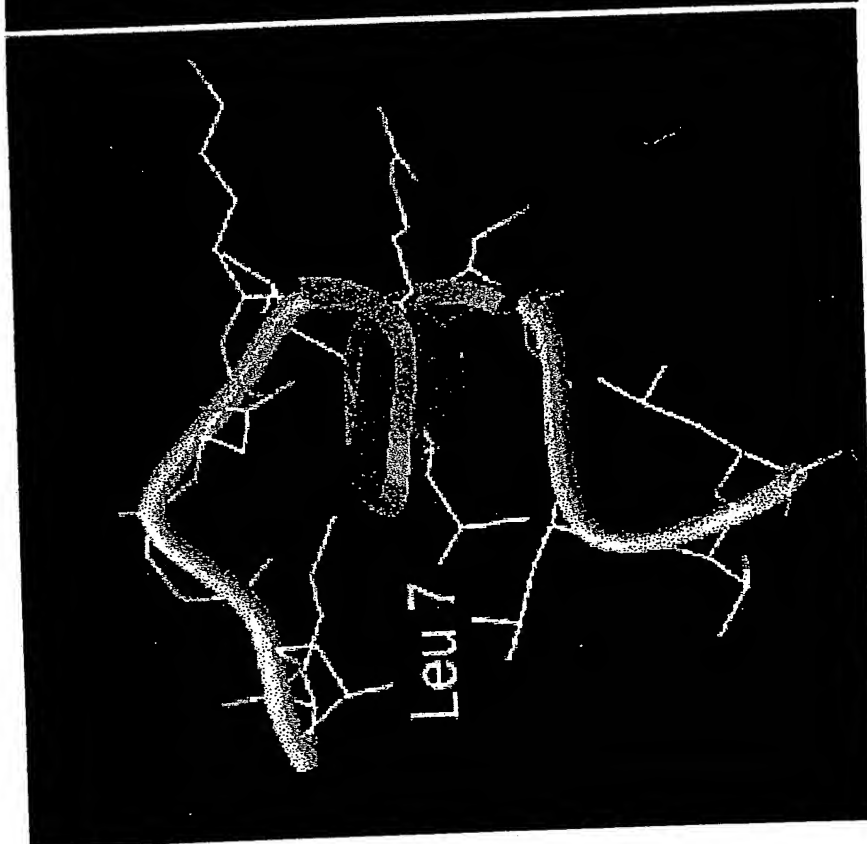
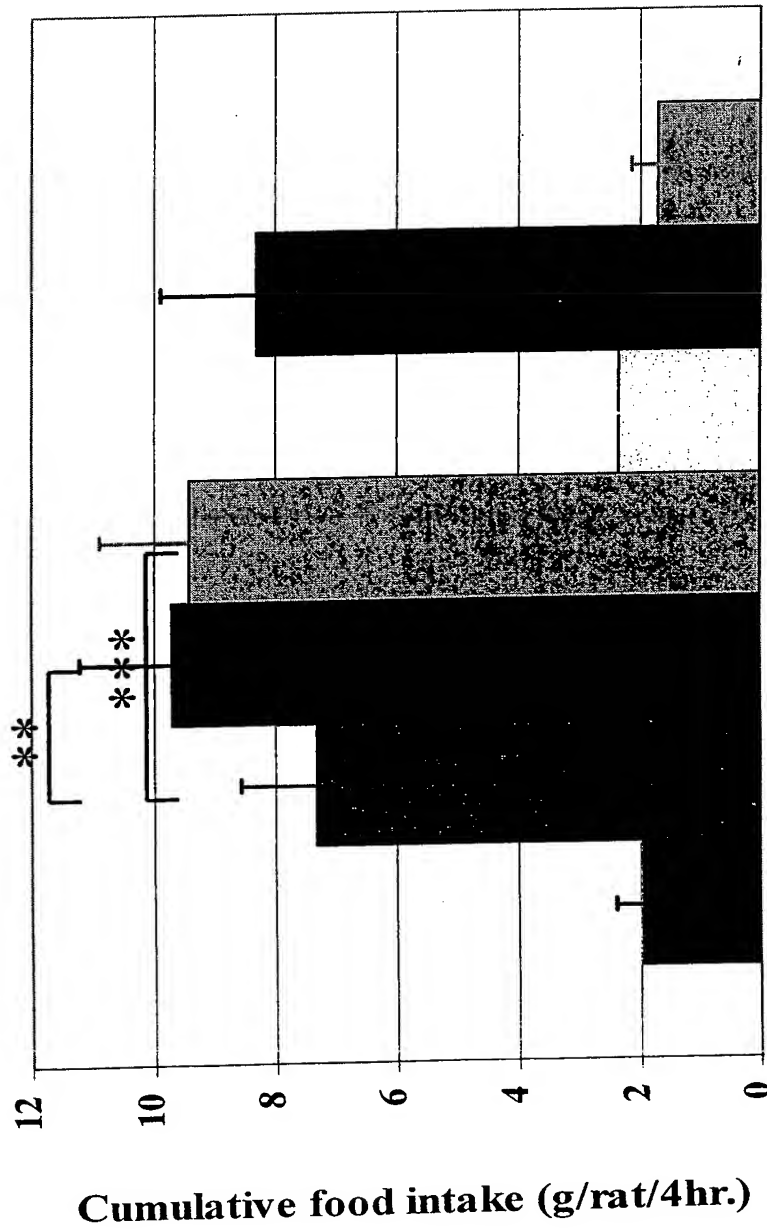


Fig. 4B



5/9

Effect of NPY, NPY plus Mutated and Wild Signal Peptides on Food Intake in Rats



- 1, Saline, n=28
- 2, NPY, 9.0 ug, n=32
- 3, NPY, 9.0 ug + mSP, 2.5 ug, n=12
- 4, NPY, 9.0 ug + mSP, 7.5 ug, n=28
- 5, mSP, 7.5 ug, n=24
- 6, NPY, 9.0 ug + wSP, 7.5 ug, n=20
- 7, wSP, 7.5 ug, n=12

** : $p < 0.01$

***: $p < 0.001$

Fig. 5A

Effect of NPY, NPY plus Wild an Mutated Signal Peptides
on Food Intake in Rats

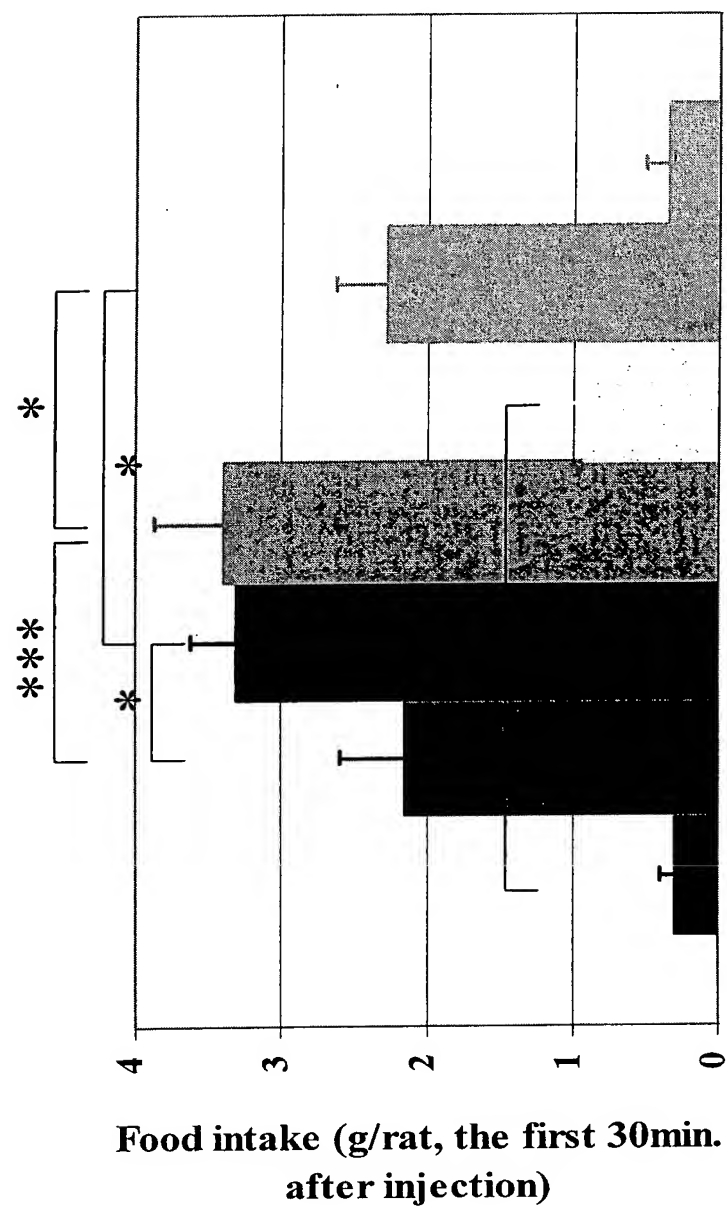


Fig. 5B

7/9

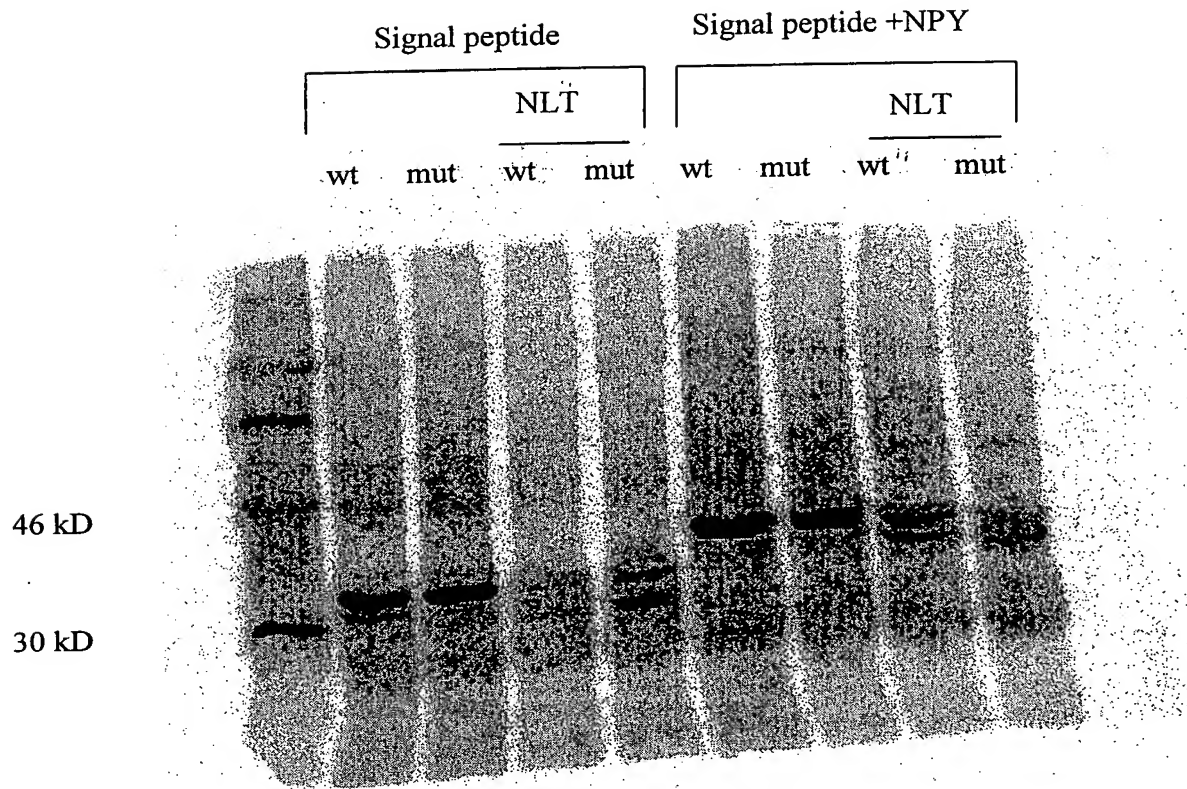


Fig. 6

8/9

-602
 ggggtgg*gtggggagcgcagctttgggaccctctagccggagacttccggcagctgcctccgacttgttctaagtacag
 |
 -609
 gaaaaatctgtgcgcccagttgcctcactccaacagcgcgcagttgtgccggcgaggatgccgcgctagtctgtggagat
 |
 -529
 gccccaccacaaagaggattcaggtgcttctactccggcacccagtggg*tggtagtctgttggcaggagacaagaat
 |
 -449
 cgtctgggctgctcctatctctggcaggactagacggggcgtgaaggaaagaaggaaagaaggaaagcagggatcgggca
 |
 -369
 ctgcccagggcagataacttgggctttggtgttgtccagcgcgctcggagtgcgctgcctcgctcacgcggtcccaggcc
 |
 -289
 ccgcttcttcaggcagtgctggggcgggaggggttgggggtgtgggtggctccctaagtcgacactcgtgcggtgcg
 |
 -209
 gttccagccccctcccccgccactcaggggcgggaagtggcgggtgg*agtcaccaagcgtgactgcccaggcc
 |
 -132
 ccctcctgccgggcgaggaagctccataaaagccctgtcgcgacccgctctctgcACCCCATCCGCTGGCTCTCA
 |
 -56
 CCCCTCGGAGACGCTCGCCCGACAGCATAGTACTTGCCGCCCAGCCACGCCCGCGGCCAGCCACCgtgagtgcta
 |
 +21
 cgacccgtctgtctaggggt---[IVS]---
 |
 +97
 ctctgggttctctctgcgggactgggacgagagcggattgggggtcgcg*gtggtagcaggaggaggagcgcggggggc
 |
 +958
 agaggaggagggtgctgcg*gtgggtgctctgaatccccaagcccgtccgttgagccttctgtgcctgcagATGCTAGGT
 |
 +1038

Fig. 7

9/9

+1128
AACAAAGCGAC*GGGGCTGTCCGGA^{CT}GACCCTCGCCCTGTCCCTGCTCGTGTGCCTGGGTGCGCTGGCCGAGGCG
|
+1118
TACCCCTCCAAGCCGGACAACCCGGGCGAGGACGCACCAGCGGAGGACATGGCCAGATACTACTC*GCGCTGGGA
|
+1193
CACTACATCAACCTCATCACCAGGCAGAGgtgggtgggaccgcgggaccgattccggga----[IVS]----
|
+1268
acttgctttaaaagactttttttttccagATATGGAAAACGATC*AGCCCAGAGACACTGATTTAGACCTCTTG
|
+5626
ATGAGAGAAAGCACAGAAAATGTTCCCAGAACTCGgtatgacaaggcttgtgatggggacattgtt---[IVS]---
|
+5702
ccttacatgctttgcttcttatgttttacagGCTTGAAGACCCTGCAATGTGGTGATGGGAAATGAGACTTGC
|
+8068
TCTCTGGCCTTTTCCTATTTTCAGCCCATATTTTCATCGTGTA^{AA}ACGAGAATCCACCCATCCTACCAATGCATGCA
|
+8140
GCCACTGTGCTGAATTCTGCAATGTTTTCTTTGTCATCATTGTATATATGTGTGTTTAAATAAAGTATCATGCAT
|
+8216
+8402
TCaaaagtgt*tcctcctcaatgaaaaatctattacaatagtgaggattattttcgttaaacttattattaacaa
|
+8392
|

Fig. 7 continued